

orto alresa

Centrifuges and laboratory products

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Special applications: Centrifuges industry

Series DIGTOR 22 C

DIGTOR 22 C-8

TFT



The TFT display shows the following settings:

- Prog: ASTM 4007
- Rotor: RT 239
- RPM: 3.000
- Accel: 30 s
- Time: 00:10:00
- Adapt: RE 476
- RCF: 2.425
- Decel: 30 s
- Temp: 60°C

Additional icons on the screen include Home, Help, Settings, and a red status bar at the bottom with the text "Serial Open" and "Temp 21.1°C". The "ortoalresa" logo is visible at the bottom of the screen.



Centrifuges industry: Series Digtor 22 C

Max. capacity: 8 x 100 ml. (8/6")

Max. speed: 2.425 xg / 3.000 RPM

The largest of our centrifuges for oil, with capacity for 8 tubes of 8", the best option for centres that carry out a large number of tests every day.

Features

- Designed for oil/petrol applications according the standards: ASTM D 91, D96, D 893, D 1796, D2273, D2709, D 2711, D 4007, D 5546, API 2542, API 2548, BS 4385, ISO 3734, ISO 9030, IP75, IP 359, NF M07-020, DIN 51793. Fits Babcock bottles.
- Tubes upright on rest.
- GRS: Gas release system (optional); pre-installation included.

TFT color touch screen, visible from more than 3 m.:

- Shows RPM and RCF, time, temperature, acceleration/deceleration values (PCBS) and unbalancing location system (ULS).
- Speed programming in 10 RPM/10 xg steps.
- Real RCF values on screen based in accessories configuration.
- Count up/down from "0" or at "set RPM/RCF" for test reproducibility.
- Timer countdown/up from "0" or at "set RPM/ RCF" for reproducible tests.
- Timer from 1 min to 99 hours programmable in 1 sec. steps and hold position.
- PCBS: Progressive controlled acceleration and braking system up to 175 selectable ramps that prevents sample homogenization after separation.
- ULS: Unbalancing location system indicating on the screen the number of the bucket which produces the unbalance switch off.
- 40 programmable memories, with protection under password.
- Several acoustic and visual messages warning the user the device situation.

Easy to use

- Microprocessor controlled. PC connection.
- Induction motor maintenance free (brushless).
- Rotors and adapters list on memory.
- Noise level: below 60 dB.
- Start, stop, open lid and short spin with adjustable speed buttons.
- Option of free/locked adjustment of RPM/ RCF along the run.
- Last values remain in memory.
- Automatic rotor recognition. Over-speed protection.

Safety

- Lid provided with security systems:
 - Automatic lid lock system, motorized with double lock.
 - Emergency lid-lock release.
 - Locking and protection against opening along the run.

- Lid dropping protection.
- Port in the lid for calibration and operation checking.
- Unbalance detection and switch off.
- Protection safety ring between the centrifugation chamber and the housing.
- Chamber of centrifugation in stainless steel (easy cleaning).
- Rotors and adapters autoclavable, easy to install by the user.
- Automatic disconnection for energy saving up to 8 h.

Heating

- Preheating program with rotor spinning and temperature selectable. Allows keep the chamber at working temperature before starting the process.
- Regulation of the room temperature +5°C (41°F) to 80°C (176°F) in 1°C/1° F steps. Programmable in °C o °F.
- Temperature sensor inside the chamber. Overheating protection.
- Internal isolated avoiding heat lost.

EU Directives: 2011/65/EU, 2012/19/EU, 2014/30/EU, 2014/35/EU.

Standards: EN 61010-1, EN 61010-2-020, EN 61010-2-101, EN 61326-2-6, EN 61326-1, EN 61010-2-010.

Versions	Dimensions (mm) (w x d x h)			Net weight (Kg)	Voltage (V)	Frecuency (Hz)	Consumption (W)
CE 240	530	640	420	77	220-230	50-60	1.260
CE 241	530	640	420	77	110-120	50-60	1.220

Accessories

	RT 293	RT 289	RT 294	
ROTOR	SWING OUT	SWING OUT	SWING OUT	
Max. capacity	4x100 ml. (8/6")	4x100 ml. (8")	8x100 ml. (8/6")	
RPM Max.	3.000	3.000	2.000	
Radius (mm)	241	241	239	
RCF Max. (xg)	2.425	2.425	1.069	
SAMPLE VOLUME	Dim (mm) approx.	ADAPTERS	ADAPTERS	ADAPTERS
ASTM cone shape 6"	Ø 44-46x162-167	Tubes Ref.	Tubes Ref.	Tubes Ref.
ASTM pear shape	Ø 58-59x157-160	4 RE 475	- -	8 -
ASTM trace/cone 8"	Ø 36-38x195-203	4 RE 477	- -	- -
API finger 12,5 ml	Ø 16x105	4 RE 476	4 -	8 RE 478
API finger 12,5 ml	Ø 16x105	28 RE 456	4 RE 455	- -
API finger 12,5 ml	Ø 16x105	- -	16 RE 454	16 RE 454

Available tubes heck tubes features in pag. 13.